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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/828,885	10/828,885 04/20/2004		James S. Clarke	42P19019	5860	
8791	7590	10/18/2005	EXAMINER			
		LOFF TAYLOR & OULEVARD	NGUYEN,	nguyen, thanh t		
SEVENTH		OULEVARD	ART UNIT	PAPER NUMBER		
LOS ANGE	ELES, CA	A 90025-1030	2813			
				DATE MAILED: 10/18/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

		App	Application No. Applicant(s)							
Office Action Summary			828,885	CLARKE ET AL.						
			miner	Art Unit						
			nh T. Nguyen	2813						
Period fo	The MAILING DATE of this communical or Reply	tion appears	on the cover sheet w	ith the correspondence a	ddress					
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE MAIL assions of time may be available under the provisions of 3 SIX (6) MONTHS from the mailing date of this communic period for reply is specified above, the maximum statutore to reply within the set or extended period for reply will, eply received by the Office later than three months after ad patent term adjustment. See 37 CFR 1.704(b).	ING DATE (7 CFR 1.136(a). ation. ry period will appl by statute, cause	OF THIS COMMUNION IN THE PRINCE OF THIS COMMUNION IN THE PRINCE OF THE P	CATION. reply be timely filed ITHS from the mailing date of this BANDONED (35 U.S.C. § 133).	•					
Status										
1)	Responsive to communication(s) filed of	on .			•					
• —	This action is FINAL . 2b) This action is non-final.									
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits									
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.									
Dispositi	on of Claims				·					
4)🛛	4)⊠ Claim(s) <u>1-33</u> is/are pending in the application.									
	4a) Of the above claim(s) is/are withdrawn from consideration.									
=	5) Claim(s) is/are allowed.									
6)[Claim(s) is/are rejected.									
•	•									
8)⊠	8) Claim(s) <u>1-33</u> are subject to restriction and/or election requirement.									
Applicati	on Papers									
•	The specification is objected to by the E									
10)	The drawing(s) filed on is/are: a)									
	Applicant may not request that any objection									
44)	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).									
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.										
Priority u	ınder 35 U.S.C. § 119									
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received.										
	2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage									
	application from the International Bureau (PCT Rule 17.2(a)).									
* See the attached detailed Office action for a list of the certified copies not received.										
Attachmen			🗖							
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-	-948)		Summary (PTO-413) s)/Mail Date						
3) Inform	mation Disclosure Statement(s) (PTO-1449 or PTG		5) Notice of I	nformal Patent Application (PT	O-152)					
Paper No(s)/Mail Date 6) Other:										

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DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-13, 28-33, drawn to a method of forming air gaps surrounding conductors in a dielectric layer, classified in class 438, subclass 622.
- II. Claims 14-27, drawn to a semiconductor device, classified in class 257, subclass 774.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case forming a sacrificial layer by blanket deposition and then selectively pattern/etch to form a desire layer.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the

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currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh Nguyen whose telephone number is (571) 272-1695, or by Email via address Thanh.Nguyen@uspto.gov. The examiner can normally be reached on Monday-Thursday from 6:00AM to 3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead, Jr., can be reached on (571) 272-1702. The fax phone number for this Group is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pairdirect.uspto.gov. Should you have questions on access to thy Private PAIR system, contact the Electronic Business center (EBC) at 866-217-9197 (toll-free).

Thanh Nguyen Patent Examiner

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